

PHF Series

UPVC High Flow Filter Housing

The PHF series housings from Delta Pure Filtration hold High Flow Series 6" diameter (inside to outside flow) 20" or 40" tall cartridges. These housing are all UPVC construction except external eyebolt closure hardware which is 316 stainless steel.

These housings are an economical alternative to multi-element stainless steel housings. Typical flow rates are in the range of 30-150 GPM (115-568 LPM).

Excellent for water to 113 degrees F (45 degrees C), and a variety of plating chemicals and weak acids, the housings are rated to 75 psig continuous and 100 psig max. 2" "threaded on" inlet and outlet flanges can be removed to provide 2.5" fNPT. The top lid has two 1/4" fNPT fittings with UPVC plugs.



Delta Pure Filtration PVC Series Housings provide compatibility with water and a wide array of chemicals without the corrosion and expense of metallic filter housing.

Benefits

- Rigid UPVC construction
- Corrosion resistant
- Lightweight
- Top loaded design simplifies filter change-out
- High flow rates in a small footprint

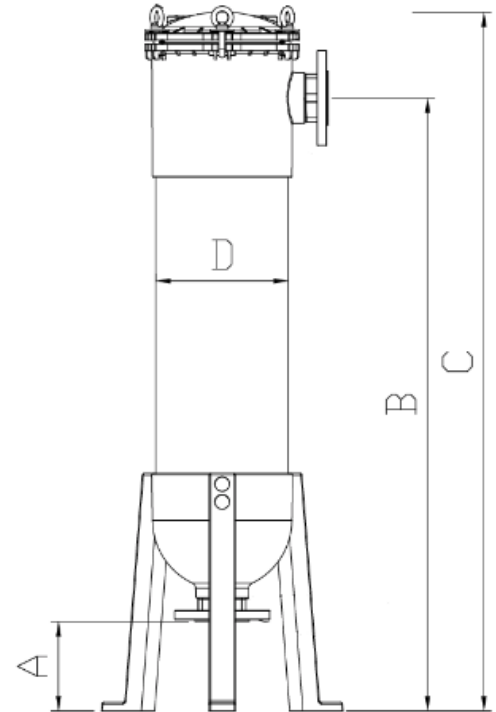
Applications

- Commercial Water Systems
- Industrial Process Water
- Pre-Filtration for Membrane/ Reverse Osmosis (RO) Systems
- Food, Beverage, and Cosmetics
- Industrial Solutions and Plating Chemicals
- Aqueous Chemicals, Acids, Bases
- Salt water applications
- OEM, Skid Systems

PHF Series UPVC High Flow Filter Housing

Housing Specifications

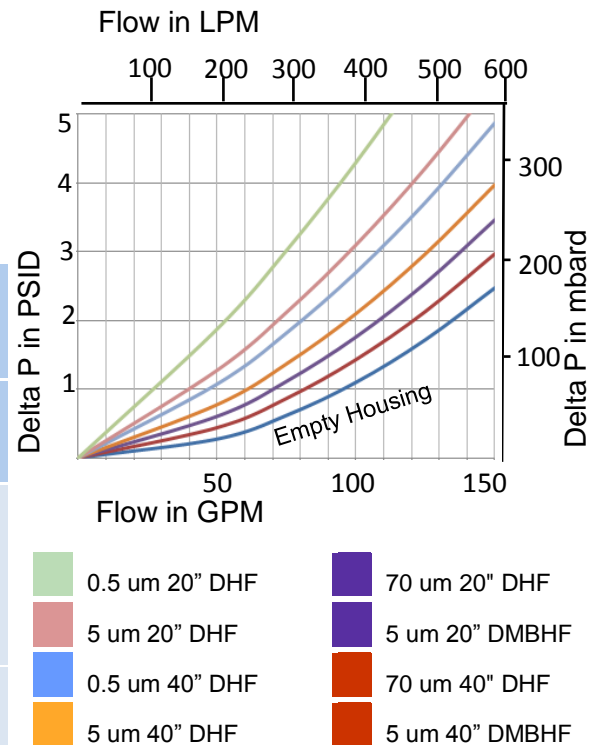
- Materials of Construction: UPVC (unplasticized polyvinyl chloride)
- O-ring: Silicone (Viton available)
- Pressure Rating: 75 psig (5.17 barg) continuous; 100 psig (6.9 barg) max
- Max Temperature: 113 F, 45 C
- Inlet/Outlet: 2.5" fNPT with 2" removable threaded-on flanges
- Gage Port - 1/4" fNPT with UPVC plug
- Vent: 1/4" fNPT with UPVC plug
- Closure Type: Swing Bolt, 316 sst hardware
- Filter Accepted: 20" or 40" long High Flow element, 6" diameter, inside to outside flow



PHF Housing Data and Ordering Information

Part Number	PHF-20-2F	PHF-40-2F
Size Filter Accepted	20" length x 6" dia	40 " length x 6" dia
O-ring	Silicone	Silicone
Height A	6.89" (175 mm)	6.89" (175 mm)
Height B	35.63" (905 mm)	54.92" (1395 mm)
Height C	42.13" (1070mm)	61.42" (1560 mm)
Diameter D	8.86" (225 mm)	8.86" (225 mm)
Weight, Empty	24.2 lb (11 kg)	36.3 lb (16.5 kg)
Est. Weight, Full Water	102.3 lb (46.5 kg)	157.3 lb (71.5 kg)

Assembly Flow vs. Delta P (with clean new filter, est.)



Filter Cartridge Ordering Information

Cartridge Type	Micron Rating 99.98%	Filter Medium	Length Inches	Component Materials	O.D.	O-Ring
DHF High Flow Multi-Pleat	045	01 -FDA Polypro	20 40	1 - FDA Polypro. cage, core and outer cage	K - 6"	B- Buna-N (Nitrile) E - EPDM V- FKM T - FEP encapsul.
	2	13- Polyester				
	5	15- Fiberglass				
	10 20					
DMBHF Melt Blown High Flow	1, 5	no code = FDA Polypro	20 40	no code = FDA Polypro	no code = 6"	no code = Buna
	10, 20					